

## All COR ISO Recommendations

### Latent Condition, Seismic and ISS

Friday, October 12, 2012 11:31:16 AM

Type	Rec #	ABU	Unit	Year (I/R)	LC or ISS Question #	LC Question ISS Question Seismic Area	Observation	Recommendation	Resolution	Duc Date	Assigned To	Status
Seismic	690	Cracking	Polymer Plant	2011		F-651 & F-661	Support leg fireproofing cracked. Pics 1 & 2	Remove portion of fireproofing near bottom of widest crack(s). If steel is corroded, have Civil Engineer observe corroded area and determine path forward. Otherwise, replace fireproofing that was removed and seal remaining cracks or replace fireproofing.	Reassigned from M. Bleckinger to A. Carrillo on 4/11/12 by M. Crow. Work has been field verified as complete by Alky OMC 10/11/12 CRRJ.	11/3/2012	Carrillo, Albert	Completed
Seismic	691	Cracking	Polymer Plant	2011		C-650	Skirt fireproofing cracked. Pic 3. Possible corrosion of 1/2" skirt.	Remove portion of fireproofing near bottom of widest crack(s). If skirt is corroded and less than 0.452" thick, have Civil Engineer observe corroded area and determine path forward. Otherwise, replace fireproofing that was removed and seal remaining cracks or replace fireproofing.	Reassigned from M. Bleckinger to A. Carrillo on 4/11/12 by M. Crow. Work has been field verified as complete by Alky OMC 10/11/12 CRRJ.	11/3/2012	Carrillo, Albert	Completed
Seismic	692	Cracking	Polymer Plant	2011		V-650	Skirt fireproofing cracked. Pic 4. Possible corrosion of 1/4" skirt.	Remove portion of fireproofing near bottom of widest crack(s). If skirt is corroded and less than 0.1875" thick, have Civil Engineer observe corroded area and determine path forward. Otherwise, replace fireproofing that was removed and seal remaining cracks or replace fireproofing.	Reassigned from M. Bleckinger to A. Carrillo on 4/11/12 by M. Crow. Work has been field verified as complete by Alky OMC 10/11/12 CRRJ.	11/3/2012	Carrillo, Albert	Completed
Seismic	693	Cracking	Polymer Plant	2011		C-660	Skirt fireproofing cracked. Pic 5. Possible corrosion of 3/8" skirt.	Remove portion of fireproofing near bottom of widest crack(s). If skirt is corroded and less than 0.365" thick, have Civil Engineer observe corroded area and determine path forward. Otherwise, replace fireproofing that was removed and seal remaining cracks or replace fireproofing.	Reassigned from M. Bleckinger to A. Carrillo on 4/11/12 by M. Crow. Work has been field verified as complete by Alky OMC 10/11/12 CRRJ.	11/3/2012	Carrillo, Albert	Completed

## All COR ISO Recommendations

### Latent Condition, Seismic and ISS

Friday, October 12, 2012 11:31:17 AM

Type	Rec #	ABU	Unit	Year (I/R)	LC or ISS Question #	LC Question ISS Question Seismic Area	Observation	Recommendation	Resolution	Duc Date	Assigned To	Status
Seismic	694	Cracking	Polymer Plant	2011		E-653	Partial nut/anchor bolt thread engagement. Pic 6.	Civil Engineer to evaluate adequacy of existing thread engagement and need for retrofit.	Reassigned from M. Bleckinger to A. Carrillo on 4/11/12 by M. Crow.  This item is COMPLETE per the e-mail below:  Albert,  The subject item may be closed as there is no need for a seismic retrofit. Regards, Al Greene, PE, SECB Office 510-242-9010 Fax 510-242-9448 Cell 510-507-5080 RIC145-2124A 1450 Marina Way South Richmond, CA 94804	11/3/2012	Carrillo, Albert	Completed
Seismic	695	Cracking	Polymer Plant	2011		V-642	Base plate grout missing and spalled. Pic 7.	Shim saddle. Remove loose pieces of grout. Replace with Five Star (cement) Grout or approved equal per grout manufacturer's instructions.	Reassigned from M. Bleckinger to A. Carrillo on 4/11/12 by M. Crow. Work has been field verified as complete by Alky OMC 10/11/12 CRRJ.	11/3/2012	Carrillo, Albert	Completed
Seismic	696	Cracking	Polymer Plant	2011		V-610A/B	Probable anchor bolt corrosion and cracked or missing grout. Pics 8 & 9.	Remove enough grout at one anchor bolt on each vessel where worst corrosion is most probable to facilitate measurement of anchor bolt diameter at thinnest part, and report this information to Civil Engineer for determination of path forward.	Reassigned from M. Bleckinger to A. Carrillo on 4/11/12 by M. Crow.	11/3/2012	Carrillo, Albert	In Progress
Seismic	697	Cracking	Polymer Plant	2011		E-610	No grout under each end of saddle base. Pics 10 & 11.	Civil Engineer to evaluate need for retrofit or repair.	Reassigned from M. Bleckinger to A. Carrillo on 4/11/12 by M. Crow.	11/3/2012	Carrillo, Albert	In Progress